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[Save results to a Binder](#)**1** [Transactional client-server cache consistency: alternatives and performance analysis](#) [Michael J. Franklin, Michael J. Carey, Miron Livny](#)September 1997 **Transactions on Database Systems (TODS)**, Volume 22 Issue 1**Publisher:** ACM [Request Permissions](#)Full text available: [Pdf](#) (452.41 KB) Additional Information: [full citation](#), [abstract](#), [reference terms](#), [review](#)**Bibliometrics:** Downloads (6 Weeks): 16, Downloads (12 Months): 125, Citations: 1

Client-server database systems based on a data shipping model can exploit local resources by caching copies of data items across transaction boundaries. This paper discusses the need to obtain data from servers or other sites on the network. In order to do this, a client must be able to identify the data items it needs and the servers that have them.

2 [Running EveryWare on the computational grid](#) [Rich Wolski, John Brevik, Chandra Krintz, Graziano Obertelli, Neil Spring, A. M. S. Qureshi](#)
January 1999 **Supercomputing '99: Proceedings of the 1999 ACM/IEEE conference on Supercomputing (CDROM)****Publisher:** ACMFull text available: [Pdf](#) (414.73 KB) Additional Information: [full citation](#), [references](#), [citation](#)**Bibliometrics:** Downloads (6 Weeks): 4, Downloads (12 Months): 23, Citations: 1**3** [Adaptive, fine-grained sharing in a client-server OODBMS: a callback approach](#) [Markos Zaharioudakis, Michael J. Carey, Michael J. Franklin](#)December 1997 **Transactions on Database Systems (TODS)**, Volume 22 Issue 4**Publisher:** ACM [Request Permissions](#)Full text available: [Pdf](#) (441.80 KB) Additional Information: [full citation](#), [abstract](#), [reference terms](#), [review](#)**Bibliometrics:** Downloads (6 Weeks): 9, Downloads (12 Months): 69, Citations: 1


For reasons of simplicity and communication efficiency, a number of existing oriented database management systems are based on page server architectures. Pages are their minimum unit of transfer and client caching. Despite their simplicity, these systems have several drawbacks. First, they require a large amount of memory to store the pages. Second, they require a large amount of time to transfer the pages. Third, they require a large amount of time to cache the pages. Finally, they require a large amount of time to uncache the pages.

Keywords: cache coherency, cache consistency, client-server database sharing, object-oriented databases, performance analysis

4 [Recovery in the Calypso file system](#)[Murthy Devarakonda, Bill Kish, Ajay Mohindra](#)**ADVANCED SEARCH** [Advanced Search](#)**FEEDBACK** [Please provide us with feedback](#)

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 August 1996 **Transactions on Computer Systems (TOCS)** , Volume 14 Issue
Publisher: ACM  [Request Permissions](#)

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This article presents the design and implementation of the recovery scheduler Calypso. Calypso is a cluster-optimized, distributed file system for UNIX clusters. In AFS, Calypso servers are stateful and scale well to a large number of clients.

Keywords: Calypso, cluster systems, distributed state, state reconstruction

5 [Reconciling responsiveness with performance in pure object-oriented programming](#)
 Urs Hölzle, David Ungar
July 1996 **Transactions on Programming Languages and Systems (TOPLAS)** , Volume 18 Issue 4

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Full text available:  Pdf (537.19 KB) Additional Information: [full citation](#), [abstract](#), [reference terms](#), [review](#)

Bibliometrics: Downloads (6 Weeks): 6, Downloads (12 Months): 53, Citation (

Dynamically dispatched calls often limit the performance of object-oriented programming since object-oriented programming encourages factoring code into small units, thereby increasing the frequency of these expensive operations. Frequent

Keywords: adaptive optimization, pause clustering, profile-based optimization, compilation, type feedback





6 [Architecture, design, and implementation of a multimedia conference system](#)
Anna A. Hać, Dongchen A. Lu
March 1997 **International Journal of Network Management** , Volume 7 Issue 1
Publisher: John Wiley & Sons, Inc.

Full text available:  Pdf (517.69 KB) Additional Information: [full citation](#), [abstract](#), [reference terms](#)

Bibliometrics: Downloads (6 Weeks): 2, Downloads (12 Months): 16, Citation (

In this article a new multimedia conference system is designed and implemented. The system allows a group of users to conduct a meeting in real time. Participants can edit relevant multimedia information, including text, graphics, and still images.

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